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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Sheet 1 of 3

Application Number	TBA
Filing Date	October 31, 2003
First Named Inventor	David BERMAN
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	ARC920030065US1

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
[Signature]	1	US- 4,553,288	11-12-1985	Gerard et al.	
	2	US- 4,636,893	01-13-1987	McClure	
	3	US- 4,823,212	04-18-1989	Knowles et al.	
	4	US- 4,890,299	12-26-1989	Dolivo et al.	
	5	US- 4,912,585	03-27-1990	Belser et al.	
	6	US- 5,073,834	12-17-1991	Best et al.	
	7	US- 5,220,294	06-15-1993	Ichikawa	
	8	US- 5,258,933	11-02-1993	Johnson et al.	
	9	US- 5,359,631	10-25-1994	Behrens et al.	
	10	US- 5,375,145	12-20-1994	Abbott et al.	
	11	US- 5,438,460	08-01-1995	Coker et al.	
	12	US- 5,459,679	10-17-1995	Ziperovich	
	13	US- 5,587,223	12-24-1996	White	
	14	US- 5,680,267	10-21-1997	Tanaka et al.	
	15	US- 5,820,769	10-13-1998	Chou	
	16	US- 6,084,924	07-04-2000	Melas	
	17	US- 6,118,833	09-12-2000	Bergmans et al.	
	18	US- 6,351,339 B1	02-26-2002	Bar-Gadda	
	19	US- 6,391,430 B1	05-21-2002	Fullerton et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>4</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
em	20	JP11037975	02-12-1999	Masahiko et al		

Examiner Signature	[Signature]	Date Considered	2/2/00
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Attorney Docket Number	ARC920030065US1


Sheet	2	of	3
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## U. S. PATENT DOCUMENTS

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**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner Signature		Date Considered	2/3/05
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Sheet

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of

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
DM	25	R.D. Cideciyan et al., "A PRML System for Digital Magnetic Recording," IEEE Journal On Selected Areas In Communications, Vol. 10, No. 1, January 1992, pp. 38-56.	
DM	26	F. Dolivo et al., "Fast Timing Recovery For Partial-Response Signaling Systems," CH2655-9/89/0000-0573, pp. 573-577.	
DM	27	W.C. Lindsey et al., "A Survey of Digital Phase-Locked Loops," Proceedings Of The IEEE, Vol. 69, No. 4, April 1981, pp. 410-431.	
DM	28	K.H. Mueller et al., "Timing Recovery in Digital Synchronous Data Receivers," IEEE Transactions On Communications, Vol. COM-24, No. 5, May 1976, pp. 516-531.	

Examiner Signature		Date Considered	2/10/06
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